| Index of | Claims |
|----------|--------|
|          |        |

| Application No. | Applicant(s)   |  |
|-----------------|----------------|--|
| 10/633,984      | GURVICH ET AL. |  |
| Examiner        | Art Unit       |  |
| Henry K Choe    | 2817           |  |

| , | Rejected | _ | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

Henry K Choe

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |                            |               |                |              |              |              |              | l            |          |          |
|----------|----------------------------|---------------|----------------|--------------|--------------|--------------|--------------|--------------|----------|----------|
|          |                            |               |                |              |              |              |              |              |          |          |
| Cla      | im                         | M             |                |              |              | Date         | <del>)</del> |              |          | _        |
|          | <u>_</u> .                 | 10            |                |              |              |              | - 1          |              | l        |          |
| a        | ij.                        |               |                |              |              |              |              |              |          |          |
| Final    | Original                   | 1             |                |              |              |              |              |              |          |          |
|          | 0                          | 8             |                |              |              |              |              |              |          |          |
| <b></b>  | 1                          | 18/6/2/2/2/   |                |              |              | $\neg$       |              | 寸            |          | $\neg$   |
|          | 1<br>2<br>3<br>4<br>5      | 1             | ,              |              |              |              |              |              |          |          |
|          | 3                          | 1             |                | $\neg$       |              | $\neg$       | $\neg$       |              |          | $\neg$   |
|          | 4                          | -             | _              | $\neg$       |              |              |              |              |          | $\dashv$ |
|          | 5                          | -             | _              |              | -            | -            | $\exists$    | $\dashv$     |          | 一        |
| -        | 6                          | _             |                |              |              | -            |              | -            | $\dashv$ | 一        |
|          | 7                          | 10001         | _              | -            | -            | $\dashv$     | $\dashv$     | $\dashv$     | $\dashv$ | $\dashv$ |
| -        | +                          | $\frac{9}{2}$ | -              | Н            |              | $\dashv$     | _            | $\dashv$     |          | ᅱ        |
|          | 8                          | $\frac{2}{5}$ | -              | Н            | -            | -            | _            |              | $\dashv$ | $\dashv$ |
|          | 40                         | ¥             |                | Н            |              | _            |              | $\dashv$     |          | $\dashv$ |
|          | 10                         | 1             | _              | -            |              | _            |              | $\dashv$     | $\dashv$ | $\dashv$ |
| <u> </u> | 11                         | レレ            |                | Н            |              |              | -            |              |          | $\dashv$ |
| <u> </u> | 12<br>13<br>14<br>15<br>16 | 1             | _              |              | <u> </u>     | -            |              |              | _        | $\dashv$ |
|          | 13                         | レレレレレレ        |                | L_           |              |              | -            |              | $\dashv$ | $\dashv$ |
|          | 14                         | 1             |                | <u> </u>     | <u> </u>     | Щ            | _            | Щ            |          | $\dashv$ |
|          | 15                         | 1             | _              | $oxed{oxed}$ |              | Ш            |              | Щ            | Ш        | $\dashv$ |
| L        | 16                         | <u></u>       | <u> </u>       |              |              |              |              |              |          | $\dashv$ |
|          | 17                         | 1             | _              |              |              |              |              |              |          | Ш        |
| Ĺ        | 18<br>19                   | 1             | <u></u>        |              |              |              |              |              |          | Ш        |
|          | 19                         |               |                |              |              |              |              |              |          | Ш        |
|          | 20                         | 4             | -              |              |              |              |              |              |          |          |
|          | 21                         |               |                |              |              |              |              |              |          |          |
|          | 21<br>22                   |               |                |              |              |              |              |              |          |          |
|          | 23<br>24                   |               |                |              |              |              |              |              |          |          |
|          | 24                         |               |                |              |              |              |              |              |          |          |
| _        | 25                         | 1             |                |              |              | Г            | _            |              |          | $\Box$   |
|          | 26                         |               |                |              | Г            | _            |              |              |          | $\neg$   |
|          | 26<br>27                   | $\vdash$      |                |              |              |              |              |              |          |          |
| <u> </u> | 28                         | ┢╌            | ╁╌             | 一            | -            |              | _            |              |          | $\neg$   |
|          | 29                         | t             | ├              | ┢            | Н            | -            |              |              |          | Н        |
|          | 29<br>30                   |               | ┢              | -            | $\vdash$     | -            |              | $\vdash$     |          | Н        |
|          | 31                         | ⊢             | -              | -            | ┢            |              |              | -            |          | $\vdash$ |
|          | 32                         | $\vdash$      | ┢              | -            | ┢            | _            |              | _            | _        | $\vdash$ |
| -        | 32<br>33                   | $\vdash$      | <del>  -</del> | -            | -            | $\vdash$     | <del></del>  | -            | -        | $\dashv$ |
| -        | 34                         | <del> </del>  | $\vdash$       | ⊢            | ├            | $\vdash$     | _            | _            | -        | Н        |
|          | 34<br>35                   | ╁             | $\vdash$       |              |              | -            | $\vdash$     | -            | $\vdash$ |          |
| <u> </u> | 36                         | $\vdash$      | $\vdash$       | -            | ├            | -            |              | $\vdash$     | -        | $\dashv$ |
| <u> </u> | 30                         | $\vdash$      | ├              | -            | $\vdash$     | -            | $\vdash$     | <del>-</del> |          | Н        |
|          | 37<br>38                   | -             | $\vdash$       | $\vdash$     | -            | H            | -            | -            | -        | $\vdash$ |
| <u> </u> | 38                         | +-            | ┢              | _            | $\vdash$     | <del> </del> |              | -            | -        | Н        |
| <u> </u> | 39                         | 1             | ├-             | ├            | $\vdash$     | ├-           | <u> </u>     | <u> </u>     | -        | Н        |
|          | 40                         | ├-            | ├              | _            | ├-           |              | -            | <u> </u>     | -        |          |
| <u></u>  | 41                         | <del> </del>  | -              | <u> </u>     | <del> </del> | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u> | Н        |
|          | 42                         | ــــ          | <b>—</b>       | L-           | <u> </u>     | _            | <u> </u>     | <u> </u>     | <u> </u> | Щ        |
|          | 43                         | 1_            | <u> </u>       | <u> </u>     | <u> </u>     | _            | <u> </u>     |              | <u> </u> | Ш        |
|          | 44                         | 1             | <u></u>        | $oxed{oxed}$ | _            | _            | <u> </u>     | _            | <u> </u> | Ш        |
|          | 45                         |               |                |              |              |              |              | L_           | <u> </u> | Ш        |
|          | 46                         | L             |                |              | L            |              | Ĺ            | L            |          |          |
|          | 47                         |               |                |              |              |              |              |              |          |          |
|          | 48                         | T             |                | Π            |              |              |              |              |          | П        |
|          | 49                         | T             |                | Π            | Г            |              |              | T            |          | $\Box$   |
| $\vdash$ | 50                         | +-            | +              | $\vdash$     | 1            | $\vdash$     | -            | _            | Ι        | Н        |

| Cla           | im                                     |          |          |          |              | ate  | ;        |    |          |          |
|---------------|--|----------|----------|----------|--------------|--|----------|----|----------|----------|
|               |  | $\neg$   |          |          |              |  |          |    |          |          |
| Final         | Original                               |          |          |          |              |  |          |    |          |          |
|               | 51<br>52<br>53                         | $\neg$   |          |          |              |  |          |    |          |          |
|               | 52                                     | _        |          |          |              |  |          |    |          |          |
|               | 53                                     |          |          |          |              |  |          |    |          |          |
|               | 54                                     | 一        |          |          |              |  |          |    |          |          |
|               | 54<br>55                               |          |          |          |              |  |          |    |          |          |
|               | 56 i                                   |          |          |          |              |  |          |    |          |          |
|               | 57<br>58                               |          |          |          |              |  |          |    | ĺ        |          |
|               | 58                                     |          |          |          |              |  |          |    |          |          |
|               | 59                                     |          |          |          |              |  |          |    |          |          |
|               | 60                                     |          |          |          |              |  |          |    |          |          |
|               | 61                                     |          |          |          |              |  |          |    |          |          |
|               | 62                                     |          |          |          |              |  |          |    |          |          |
|               | 63                                     |          |          |          |              |  |          |    |          |          |
|               | 62<br>63<br>64                         |          |          |          |              |  |          |    |          |          |
|               | 65<br>66                               |          |          |          |              |  |          |    |          |          |
|               | 66                                     |          |          |          |              |  |          |    |          |          |
|               | 67                                     |          |          |          |              |  |          |    |          |          |
|               | 68<br>69                               |          |          |          |              |  |          |    |          |          |
|               | 69                                     |          |          |          |              |  |          |    |          |          |
|               | 70                                     |          |          |          |              |  |          |    |          |          |
|               | 71                                     |          |          |          |              |  |          |    |          |          |
|               | 72                                     |          |          |          |              |  |          |    |          |          |
|               | 73                                     |          |          |          |              |  |          |    |          |          |
|               | 74                                     |          |          |          |              |  |          |    |          |          |
|               | 70<br>71<br>72<br>73<br>74<br>75<br>76 |          |          |          |              |  |          |    |          |          |
| L             | 76                                     |          |          |          |              |  |          |    |          |          |
|               | 77                                     |          |          |          |              | _  | _        |    |          |          |
| L             | 78                                     |          | _        |          |              | L  |          |    |          |          |
| <u> </u>      | 78<br>79<br>80                         |          |          |          |              | L  |          |    |          |          |
|               | 80                                     |          |          | _        | $oxed{oxed}$ | _  | _        |    |          |          |
| <u> </u>      | 81                                     | _        | _        | _        | _            | <u> </u>   | <u> </u> |    |          | _        |
| <u> </u>      | 81<br>82<br>83                         |          |          | <u> </u> | <u> </u>     | <u> </u>   | <u> </u> | _  | _        |          |
| <u> </u>      | 83                                     |          |          | <u> </u> |              | <u> </u>   |          |    | _        |          |
| <u> </u>      | 84                                     |          | _        | <u> </u> | _            | -  | H        | _  | _        |          |
|               | 85                                     | ⊢        | _        | ├        | <u> </u>     | ┞  |          | -  | _        | _        |
|               | 86                                     |          | _        | ┝        | -            | ⊢  |          | _  |          | _        |
| <u> </u>      | 87<br>88                               | H        |          | _        |              |  | $\vdash$ |    | _        |          |
|               | 89                                     | ┝        | -        | ⊢        | -            | ├  | ┝        | -  | ├        | ⊢        |
|               | 90                                     | -        |          |          | -            | ┢  | ├        | -  |          | ┝╌       |
|               | 91                                     |          |          | -        |              | -  |          | -  | -        | ┢        |
| -             | 92                                     | $\vdash$ |          | -        | -            | ┢  |          | -  | -        | $\vdash$ |
| $\vdash$      | 93                                     |          | _        | ╁        | -            |  | $\vdash$ | _  | $\vdash$ | _        |
| -             | 94                                     | Т        | $\vdash$ | -        | $\vdash$     | 1  |          | Ι- |          | 一        |
|               | 95                                     |          | <u> </u> | $\vdash$ | $\vdash$     | <del>                                     </del> | $\vdash$ | Т  |          | <u> </u> |
|               | 96                                     | П        | $\vdash$ | T        | _            | Г  | _        |    |          |          |
|               | 97                                     |          | $\vdash$ | T        | Г            | 1  | $\vdash$ | Т  |          | <u> </u> |
|               | 98                                     | Т        | Γ        | $\vdash$ | Γ            | 1  | Γ        |    |          |          |
|               | 99                                     |          | Г        |          |              |  | Π        |    |          |          |
| $\overline{}$ | +                                      |          | _        | -        | _            |  |          | _  | _        |          |

| Cla         | aim               |  |  | _            | [  | Date                                | <del></del>                                      |              |  |  |
|-------------|-------------------|--|--|--------------|--|-------------------------------------|--|--------------|--|--|
|             |                   |  |  |              |  |                                     |  |              |  |  |
| Final       | Original          |  |  |              |  |                                     |  |              |  |  |
|             | 101               |  |  |              |  |                                     |  |              |  |  |
|             | 102               |  |  |              |  |                                     |  |              |  |  |
|             | 103               |  |  |              |  |                                     |  |              |  |  |
|             | 104               |  |  |              |  |                                     |  |              |  |  |
|             | 105               |  |  |              |  |                                     |  |              |  |  |
|             | 106               |  |  |              |  |                                     |  |              |  |  |
|             | 107<br>108        |  |  |              |  |                                     |  |              |  |  |
|             | 108               |  |  |              |  |                                     |  |              |  |  |
|             | 109               |  |  |              | L  |                                     |  |              |  |  |
|             | 110               |  |  |              |  | L_                                  |  |              |  |  |
|             | 111               |  |  | _            | _  | L                                   |  |              |  |  |
|             | 112               |  |  | L            |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $oxed{oxed}$                                     |              |  | Ш  |
|             | 113               |  | L_   |              | L  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш  | _            |  | Ш  |
| <u></u>     | 114               | _  |  | <u> </u>     | L  |                                     | _  | Ш            | Щ  | Ш  |
| L           | 115               |  | <u> </u>   | <u> </u>     | <u>_</u>   | <u> </u>                            |  |              |  |  |
| <u></u>     | 116               |  |  | <u> </u>     | _  | _                                   |  |              |  |  |
| L           | 117               |  | L  |              | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$     | L                                   |  |              |  |  |
|             | 118               | L  | L  | _            | _  |                                     |  |              | _  |  |
|             | 119               | L.   | L  | _            | <u> </u>   | _                                   |  |              | _  |  |
|             | 120               | _  | <u> </u>   |              | _  | _                                   |  |              | _  |  |
|             | 121<br>122        | _  |  | _            |  | <u> </u>                            | _  | _            | L  | _  |
|             | 122               |  | _  |              |  | <u> </u>                            | _  | _            | <u> </u>   | _  |
| <u> </u>    | 123               |  |  | <u> </u>     | _  |                                     |  | <u> </u>     |  |  |
|             | 124<br>125        |  | _  | _            |  | _                                   |  | ļ            | _  |  |
|             | 125               | _  |  | _            |  | ┞                                   | _  | <u> </u>     | <u> </u>   | _  |
|             | 126               | <u> </u>   |  |              |  | _                                   |  | _            | _  | L  |
|             | 126<br>127<br>128 | _  | _  | _            |  | <u> </u>                            | _  | <u> </u>     |  |  |
| -           | 128               | _  | <u> </u>   | -            | _  | ⊢                                   | -  | <u> </u>     | ├  |  |
|             | 129               | _  | <u> </u>   |              | _  | _                                   | _  | <u> </u>     | $\vdash$   |  |
|             | 130               |  | <u> </u>   |              | _  | ┞-                                  | _  | -            | <u> </u>   | <u> </u>   |
| <u> </u>    | 131               | <u> </u>   | ┡  | ┞-           | ┝  | _                                   | <u> </u>   | <u> </u>     | _  | -  |
|             | 132<br>133        | _  | L  | <b> </b>     | ⊢  | ⊢                                   |  |              | _  | -  |
| <u></u>     | 133               | ⊢  | ├-   | ⊢            | ├-   | $\vdash$                            | $\vdash$   | ⊢            |  | $\vdash$   |
| <u> </u>    | 134               | $\vdash$   | -  | ├-           | $\vdash$   | -                                   | -  | $\vdash$     |  | $\vdash$   |
| <del></del> | 135<br>136        |  | -  | $\vdash$     | <del>  -</del>                                   | ├-                                  | $\vdash$   | ├            | <del> </del>                                     | $\vdash$   |
| -           | 136               | <del> </del> —                                   | ├  | -            | -  | +                                   | $\vdash$   | -            | $\vdash$   | $\vdash$   |
| -           | 138               | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$                            | <del> </del>                                     | $\vdash$     |  | $\vdash$   |
| -           | 139               | $\vdash$   | ├  | 1            | $\vdash$   | -                                   | $\vdash$   | $\vdash$     | -  | $\vdash$   |
| <del></del> | 140               | -  |  | 1            | +-   | $\vdash$                            | $\vdash$   | ├-           | <del> </del>                                     | $\vdash$   |
| -           | 141               | -  | $\vdash$   | ┼            | ╁  | $\vdash$                            |  | <del> </del> | $\vdash$   | <del>                                     </del> |
| <del></del> | 142               | $\vdash$   | $\vdash$   | <del> </del> | ╆  | +                                   | <del>                                     </del> | ┢            | $\vdash$   | <del>                                     </del> |
| -           | 143               | $\vdash$   | ╁─   | $\vdash$     | $\vdash$   | 1                                   | $\vdash$   | $\vdash$     | <del>                                     </del> |  |
| -           | 144               | <del>                                     </del> | $\vdash$   | -            | +  | 1                                   | <del>                                     </del> | $\vdash$     | $\vdash$   | $\vdash$   |
| -           | 145               | $\vdash$   | $\vdash$   | 1-           | $t^-$  | $t^{-}$                             | <del>                                     </del> | Н            | _  |  |
| <b>—</b>    | 146               | 1  | <del>  -</del>                                   | t            | t  | T                                   | $\vdash$   | $\vdash$     | Ι  | T  |
|             | 147               | $\vdash$   | T  | †            | T  | $t^-$                               | ╁  | 1            |  | <u> </u>   |
| _           | 148               | +  | $\vdash$   | +-           | <del>                                     </del> | $t^-$                               | <del>                                     </del> | $\vdash$     | _  |  |
| -           | 149               | T  | <del>                                     </del> | T            | T  | T                                   | $\vdash$   |              | 1  | Г  |
|             | 150               |  | $\vdash$   | $t^{-}$      | $I^-$  | T                                   | 1-   |              | 1  |  |
|             | , .55             | 1  |  | _            |  |                                     |  | -            |  | -  |